

Declass Review by NIMA / DoD

9 June 1961

MEMORANDUM FOR: Chairman, Plans and Technical Development Staff

SUBJECT: 10, 20, 40 Precision Enlarger

REFERENCE: Letter to OD/NPIC, Dated 1 June 1961, from Mr. [REDACTED]

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1. In reference to [REDACTED] note to Mr. Lundahl regarding the 10, 20, 40 Precision Enlarger, the particular point in question was thoroughly discussed with [REDACTED] other engineers of the [REDACTED]. The undersigned stated at this meeting that the preponderance of work performed on the present 20X enlarger was with 10 x 12 in. cut sheets of film. Glass plates have rarely, if ever, been used on the three instruments at this installation or on the one instrument at Navy PIC. There is no reason to assume that there will be any change in this procedure.

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2. It was agreed at this conference in [REDACTED] that the so-called micrometer "focus" adjustment was necessary and acceptable. [REDACTED] question regarding the paper or plastic masks for glass plates would have no effect on the design of the proposed instrument. There are three thicknesses of glass plates available commercially in the 9½ in. x 9½ in. size. These are .06 in., .13 in., and .22 in. (normally referred to as ¼ in. plates). When extreme accuracy is required for measuring, the .13 or .22 in. plates would be used. For most applications, the stable base films (usually CRONAR or ESTAR) are entirely satisfactory. A revised specification for the 10, 20, 40 enlarger will be submitted by [REDACTED] for our review, and it will incorporate those pencilled changes found in the original specification, as well as other items discussed and agreed to by the undersigned in Rochester. This revised specification should be in our hands by 30 June at the latest.

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3. Although it was not specifically mentioned at the meeting [REDACTED] the cost of the first instrument, as described in the revised specification, would be approximately [REDACTED]. At the last Joint Procurement Meeting, there was an indication that six (6) such instruments would be required and, consequently, the engineering costs would be apportioned over these first six instruments, making the unit cost approximately [REDACTED].

It was decided at the meeting in [REDACTED] that it was not feasible STATINTL
to modify our present 20X enlarger to accept the wider (9½ inch) film
sizes. Also, it was inadvertently discovered at the same meeting that
STATINTL [REDACTED] of Navy PIC was negotiating, in a separate contract, for a
type of precision enlarger which he regards as peculiar to his own needs.
This would be a continuous, variable enlarger of the horizontal design,
accommodating formats up to 9½ x 9½ inch square with maximum magnification
at 30 diameters. This item was not revealed or discussed by [REDACTED] STATINTL
at the Joint Procurement Meeting this month.

[REDACTED] STATINTL

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NPIC/PTDS: [REDACTED]:df (3591)

cc: [REDACTED]

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FROM: [REDACTED]

DATE: 9 June 61

	TO	INITIALS	DATE	SIGNATURE	INFORMATION	COMMENTS	APPROVAL	ACTION	SEE ME	FILE	RETURN	SEE REMARKS BELOW
DIR	② ✓	CCD	6/14									
DEP/DIR	② ✓	P	12/5									
EXEC/DIR	① ✓	CTZ	12 June									
OPS ④		IA	18 June									
SA												
SA												
CH/AS												
CH/SS												
CH/RS												
CH/PD												
CH/DMD												
CH/PAD												
* CH/TISD ⑤		JWC	24 June									

REMARKS:

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* Held for [REDACTED] visit

GCL